Index of Claims

| Application No. | Applicant(s)  |
|-----------------|---------------|
| 09/834,342      | LAHIRI ET AL. |
| Examiner        | Art Unit      |
| Fred Ferris     | 2128          |

| Rejected | _ | (Through numeral)<br>Cancelled |
|----------|---|--------------------------------|
| Allowed  | ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Claim |               | Date    |   |              |   |          | ]::::        | Claim Date |           |              |      |              |          |          |           | 7::::                   |         | laim    | Date     |                 |                |  |            |          |               |  |  |          |                   |          |   |
|-------|---------------|---------|---|--------------|---|----------|--------------|------------|-----------|--------------|------|--------------|----------|----------|-----------|-------------------------|---------|---------|----------|-----------------|----------------|--|------------|----------|---------------|--|--|----------|-------------------|----------|---|
|       | ╗             |         |   |              |   |          |              | 1          |           |              |      |              |          |          |           |                         | -       | ⊢ٽ      | Ĭ        | $\vdash$        |                | _  |            | Ĭ        | ГТ            |  | _  |          |                   |          |   |
| Final | Original      | 12/8/04 |   |              |   |          |              |            |           |              |      | Final        | Original |          |           |                         |         |         |          |                 |                | Final  | Original   |          |               |  |  |          |                   |          |   |
| 1     | ~             | _       | /   |              |   | ┡        | ╄            | ╀          | +         | ╄            |      |              |          |          | $\dashv$  | _                       | 4       |         | Н        |                 | 4              | <u> </u>                                     |            | Ш        | -             | ┡  | _  | <u> </u> | $\vdash \vdash$   | _        |   |
|       | 닏             | ų       | _   | _            |   | ┡        | ╄            | ╀          | -         | ╂-           |      | <u> </u>     | 51       |          | $\dashv$  | $\dashv$                | +       | +       | $\vdash$ |                 | -              | <u> </u>                                     | 101        | Н        |               | ┝  | ├-   | _        | $\vdash$          |          |   |
|       |               | 4       | _   | _            |   | -        | ╄            | -          | _         | ┼            |      |              | 52       |          | $\dashv$  | _                       | +       | $\perp$ | $\vdash$ | _               |                | <u> </u>                                     | 102        | Н        |               | ⊢  | _  | <u> </u> | $\vdash$          |          |   |
| 3     | $\overline{}$ | -       | _   |              | - | ╀        | ╀            | ╀          | +-        | ╀            | -    |              | 53       | $\vdash$ | $\dashv$  | -                       | +       | +       | +        | $\dashv$        |                | <u> </u>                                     | 103        | Н        |               | ⊢  | ⊢  | $\vdash$ | $\vdash \vdash$   | $\dashv$ |   |
| 5     | $\overline{}$ | 4       | _   | _            | _ | ╀        | ┼            | ╀          | +         | ╁            | 1    | -            | 54       |          | $\dashv$  | $\dashv$                | -       |         | $\vdash$ | $\dashv$        | -              | <u> </u>                                     | 104        | Н        |               | ┢  | -  | 1        |                   | $\dashv$ |   |
|       | _             | 4       | _   | <u> </u>     |   |          | ╁            | ┢          | +         | ╁            | -    | <u> </u>     | 55       |          | $\dashv$  | -                       | -       | - -     | ╂┷┨      | $\dashv$        | -              | <u> </u>                                     | 105        | Н        | _             | ┢  | L  |          | $\vdash$          | $\dashv$ |   |
| 7     | _             | 4       | _   | <u> </u>     | - | ╁╾       | ╁╾           | ╁          | -         | ╁            | 1    |              | 56<br>57 | H        | $\dashv$  | -                       | +       | +       | +        | -               |                |  | 106        | Н        | -             | ⊢  | ⊢  | $\vdash$ | $\vdash \vdash$   | $\dashv$ |   |
| '8    | $\overline{}$ | J       | _   | ┝            |   | ┢        | ┢            | ╁╌         | +-        | ╁            | -    | -            | 58       | $\vdash$ | $\dashv$  | +                       | +       | +       | +        | $\vdash$        | -              | -  | 107<br>108 | $\vdash$ |               | <u> </u>   | ⊢  | H        | $\vdash$          | $\dashv$ |   |
| 9     |               | ü       | <u>,                                     </u> | $\vdash$     |   | ┢        | +            | ╀          | +-        | +            | 1    | <b></b>      | 59       | Н        | $\dashv$  | $\dashv$                | +       | +       | +        | $\vdash$        |                | <b> </b>                                     | 109        | $\vdash$ | $\dashv$      | ┢  | ⊢  | -        | $\vdash$          | $\dashv$ |   |
| 10    |               | ٦       | /   | $\vdash$     |   | $\vdash$ | $\vdash$     | ╁          | +         | +            | 1    |              | 60       | Н        | $\dashv$  | $\dashv$                | +       | +       | ╂        | +               | -              | <u> </u>                                     | 110        | $\vdash$ |               | ┢  | ⊢  | H        | $\vdash$          | $\dashv$ |   |
| 1     |               | 0       |   | -            |   | ┢        | ╁            | ╁          | ┿         | ┼            | 1    | <u> </u>     | 61       | Н        | $\dashv$  | $\dashv$                | +       | +       | +        |                 | -              |  | 111        |          | +             | ┢  | ⊢  |          | $\vdash$          | $\dashv$ |   |
| 1     | $\overline{}$ | 0       |   | -            | - | $\vdash$ | +            | ╁          | +         | +            | 1    |              | 62       | H        | $\vdash$  | +                       | +       | +       | $\vdash$ |                 | -              | $\vdash$                                     | 112        | $\vdash$ | +             | $\vdash$   | $\vdash$   | H        | $\vdash$          | $\dashv$ | _ |
|       | 3)            | =       |   | $\vdash$     |   | ١.       | $\vdash$     | +          | +-        | +            | 1    |              | 63       | $\vdash$ | $\vdash$  | +                       | +       | +       | $\vdash$ | +               | -              | <b>-</b>                                     | 113        | -        |               | ┢  | ┢  | $\vdash$ | $\vdash$          | $\dashv$ |   |
| 14    |               | =       |   | _            |   | Ė        | $\vdash$     | ╁╌         | ╁         | +            | 1    |              | 64       | $\vdash$ | $\vdash$  | +                       | +       | +       | +        | +               | -              | <u> </u>                                     | 114        |          |               | $\vdash$   | $\vdash$   | H        | $\vdash$          | $\dashv$ | _ |
| 19    | 5             | 를       |   | <del> </del> | _ | $\vdash$ | +-           | +          | +         | $\vdash$     | 1    |              | 65       | $\vdash$ | $\vdash$  | $\dashv$                | +       |         | +        | -               | -              | $\vdash$                                     | 115        |          | +             | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$          | $\dashv$ |   |
| 10    |               | Ξ       |   | <del></del>  |   | +        | $\vdash$     | +          | +         | $\vdash$     | liii | <del> </del> | 66       | Н        |           | $\dashv$                | +       | +       | $\vdash$ | +               | $\dashv$       | $\vdash$                                     | 116        | $\vdash$ | +             | $\vdash$   | $\vdash$   | -        | $\vdash$          |          | _ |
| 1     |               | =       |   | _            | _ | ╁        | ╁            | +          | +         | +            | ł    |              | 67       | $\vdash$ |           | -                       | +       | +       | ╁        | $\dashv$        | ⊣::::          | ┢  | 117        |          |               | -  | ┝  | H        | ┝═┼               | $\dashv$ |   |
| 18    |               | _       |   | -            |   | -        | ╁            | +          | +         | +            | H    | -            | 68       |          | $\dashv$  |                         | +       | +       | 1.1      | +               | -              | ┢  | 118        |          |               | ├-   | -  | -        |                   | $\dashv$ |   |
| 19    |               | -       |   |              | _ | ╁        | ╁╌           | +          | +         | $\vdash$     |      |              | 69       |          | $\vdash$  | $\dashv$                | ╅       |         | +-+      | +               | -              | $\vdash$                                     | 119        |          | $\dashv$      | ┢  | -  | -        | $\vdash$          | -        |   |
| (2)   |               | u       | _   |              |   |          | +-           | <u> </u>   | +         | $\vdash$     | 1    |              | 70       |          | H         | $\dashv$                | +       | +-      | $\vdash$ |                 | -              | $\vdash$                                     | 120        |          | +             | H  | H  |          | $\vdash$          | $\dashv$ | _ |
| 2     |               | ü       | _   | Т            |   | $\vdash$ | $\vdash$     | ╁          | +-        | +            | 1    |              | 71       | $\vdash$ | $\forall$ | $\dashv$                | +       | +-      | +        | _               | -              | $\vdash$                                     | 121        |          | +             | ┢  |  |          | $\vdash$          | 一        |   |
| 2     | 3             | J       | _   |              | - | $\vdash$ | $\vdash$     | 1-         | ╁         | +-           | 1    |              | 72       | Н        | $\forall$ | $\dashv$                | +       | +       | +        | $\dashv$        | -              | $\vdash$                                     | 122        |          | +             | ┢  |  |          | H                 | 一        |   |
| 2     |               | 1       | _   |              | - | 1        | <del> </del> | 十          | +-        | $\vdash$     | ı    |              | 73       | Н        | $\vdash$  |                         |         | +-      | ╁        | $\dashv$        | -              | $\vdash$                                     | 123        |          | _             | $\vdash$   | $\vdash$   |          | $\vdash$          | $\dashv$ |   |
| 24    |               | 긥       | /   |              |   | T        | 1            | t          | $\dagger$ | t            |      |              | 74       |          | $\exists$ | $\neg$                  | +       | 1       | $\Box$   | $\top$          | <b>-</b>  :::: | $\vdash$                                     | 124        |          |               | ├  | <del>                                     </del> | $\vdash$ | $\vdash$          | ᆉ        |   |
| 2     |               | ᄀ       | _   |              |   | t        | 1            | t          | $\dagger$ | 1            |      |              | 75       |          | $\dashv$  | $\dashv$                | +       | +       | $\Box$   | $\dashv$        | 7              | $\vdash$                                     | 125        |          | $\dashv$      | $\vdash$   | -  |          | $\vdash$          | $\dashv$ |   |
| 20    |               | -       | _   |              |   | t        | t            | ┢          | +         | $\vdash$     | 1    |              | 76       | Н        | $\dashv$  | $\dashv$                | +       | +       | $\vdash$ | $\dashv$        | -              | <u>                                     </u> | 126        | $\vdash$ | +             | $\vdash$   | ┢  | Н        | $\Box$            | $\dashv$ |   |
| 2     |               | 귕       | /   |              | _ | ╁        | 1            | t          | +         | T            |      |              | 77       | Н        | $\dashv$  | $\neg$                  | +       | +       | $\Box$   | +               | -              | $\vdash$                                     | 127        | $\vdash$ | _             | <del>                                     </del> | <del>                                     </del> | Н        | $\sqcap$          | 一        |   |
| 28    |               |         | _   |              | _ | 1        | 1            | T          | +         | $\vdash$     | 1    |              | 78       |          |           |                         | $\top$  | +       | $\Box$   | $\dashv$        | ⊣              |  | 128        |          |               | ╁  |  |          | $\vdash$          | $\dashv$ |   |
| 29    |               | $\neg$  | -   |              |   | Ħ        | t            | t          | +-        | $\vdash$     | 1    |              | 79       | Н        | $\dashv$  | $\neg$                  | +       | +       | $\vdash$ | $\dashv$        | 1              | $\vdash$                                     | 129        | $\vdash$ | +             | H  | ┢  | H        | $\Box$            | _        |   |
| 30    |               | 寸       |   |              | - | <u> </u> | † —          | 1-         | ╅         | 十            | 1    |              | 80       |          |           | 一                       | $\top$  | _       | 1-1      | $\dashv$        | -              | $\vdash$                                     | 130        |          |               | <del>                                     </del> | <del>                                     </del> |          | $\dashv$          | 寸        |   |
| 3     |               | T       |   |              |   | T        | Т            | $\vdash$   | 十         | T            |      |              | 81       |          | $\neg$    |                         | +       | 1       | Ħ        | <u> </u>        | -              | _  | 131        |          | $\dashv$      | 一  | $\vdash$   | $\vdash$ | $\Box$            | ヿ        |   |
| 32    |               | T       |   |              |   | T        | $\vdash$     | $\vdash$   | $\top$    | t            | 1    |              | 82       |          | $\dashv$  | T                       | ╅       | 1       |          | 1               | 1              | _  | 132        |          | _             | $t^-$  |  | Н        | $\Box$            | $\dashv$ |   |
| 33    |               |         |   | _            |   |          | T            | t          | 1         | İ            |      |              | 83       | П        |           | 一                       | $\top$  | 1       | $\Box$   |                 | 7              | _  | 133        | $\dashv$ | _             | t  |  | Н        | T                 | ヿ        |   |
| 34    |               |         |   |              |   | Ť.       |              | T          |           | t            | 1    |              | 84       | П        |           | $\top$                  | $\top$  | 1       | П        | $\neg \uparrow$ | 7              |  | 134        | $\vdash$ |               | T  |  | П        | $\sqcap$          | $\dashv$ |   |
| 35    |               |         |   |              |   | П        | Т            |            | Τ         | T            | 1    |              | 85       |          |           | $\dashv$                | $\top$  |         | П        | $\neg$          | 7              |  | 135        | $\Box$   | $\top$        | t  |  | П        | 一                 | $\dashv$ |   |
| 36    |               |         |   |              |   | Τ        | Ι.           | Τ          | Τ         |              | 1    |              | 86       | $\Box$   |           | $\top$                  | 1       | $\top$  | П        | $\top$          |                |  | 136        |          | $\neg \vdash$ | <u> </u>   |  | П        | 一                 | $\dashv$ |   |
| 37    | 7             |         |   |              |   |          |              | Π          |           |              | 1    |              | 87       |          |           |                         | ╗       | 7       | $\Box$   | T               |                |  | 137        |          |               |  |  |          |                   | $\Box$   |   |
| 38    |               | $\Box$  |   |              |   |          |              |            |           | Ĺ            |      |              | 88       |          |           |                         |         |         |          |                 |                |  | 138        |          |               | ŀ  |  |          | $\sqcap$          | $\neg$   |   |
| 39    | 9             |         |   |              |   |          |              |            |           | Ĺ            | ]    |              | 89       | П        |           | $\top$                  | T       | 1       | П        | Ħ               | 7              |  | 139        |          |               | Π  |  | П        | $\dashv$          | ヿ        |   |
| 40    |               |         |   |              |   |          |              |            |           | Γ            | 1    |              | 90       | П        |           | $\neg$                  | 1       |         |          |                 | 7              |  | 140        |          |               |  |  |          | 寸                 | ヿ        |   |
| 4     | 1             |         |   |              |   |          |              |            | Π         |              | ]    |              | 91       |          |           |                         | $\top$  |         | П        |                 | 7              |  | 141        |          |               |  |  | П        | $\Box$            | $\neg$   |   |
| 42    | 2             |         |   |              |   |          |              |            | Ι         |              | ]    |              | 92       |          |           |                         | ╧       |         |          |                 |                |  | 142        |          |               |  |  |          | 二                 |          |   |
| 43    |               |         |   |              |   |          |              |            |           |              | ]    |              | 93       |          |           |                         | J       |         |          |                 |                |  | 143        |          |               |  |  |          | 二                 | $\Box$   |   |
| 44    | 4             | $\Box$  |   |              |   |          |              |            | $\prod$   |              | ]    |              | 94       |          |           | I                       |         |         |          |                 |                |  | 144        |          |               |  |  |          |                   | $\Box$   |   |
| 45    |               |         |   |              |   |          |              | Ĺ          |           |              |      |              | 95       |          |           |                         |         |         |          |                 |                |  | 145        |          |               |  |  |          |                   | $\Box$   |   |
| 46    |               |         |   |              |   |          |              |            |           | 匚            |      |              | 96       |          |           | $oldsymbol{\mathbb{I}}$ |         |         |          |                 |                |  | 146        |          |               |  | L.   |          |                   |          |   |
| 47    |               |         |   |              |   |          |              |            |           | $\Box$       |      |              | 97       |          | $\Box$    | $\perp$                 |         |         |          | $_{-}I$         | ]              |  | 147        |          |               |  |  |          |                   |          |   |
| 48    |               |         |   |              | _ |          | <u> </u>     | L          | $\perp$   |              |      |              | 98       |          |           | $oldsymbol{\perp}$      | $\perp$ |         | Ш        |                 |                |  | 148        |          |               | 匚  |  |          | $oldsymbol{\bot}$ | $\Box$   | _ |
| 49    | 9             | _       |   | ]            |   | <u> </u> | <u> </u>     | L          |           | $oxed{oxed}$ |      |              | 99       |          |           |                         |         |         | Ш        |                 | _ ::::         |  | 149        |          |               |  |  |          | $\Box$            | $\Box$   |   |
| 50    | 0             |         |   |              |   | L        |              |            |           |              |      |              | 100      |          |           |                         | 1       | 1       | П        | - 1             |                |  | 150        |          | 1             |  |  |          |                   |          |   |